## Mint of the United States at Philadelphia,

MELTING AND REFINING DEPARTMENT,

m. AR.

Philadelphia, 24 Aug.

1882

approximate value of Coinage of U. S. in Gold	
and bilver from the beginning in 1792 to 30 June 1882	
	Spec, grav. Wt. Cub. Inch. measure of some million
Gold	17.25 43549 grains 5924.36 C.I.
Ailver	10.30 2602.84 " 158481. "
	Total Issue, value measure
Gold	\$ 1300,000,000 = 4,459 C.F.
Lilver	335,000,000= 30,724 "
A STATE OF THE STA	Since of the Cube of the preceding capacity.
Gold	16 ½ ft. on a side, nearly.
Silver	31 t " - " - "
The above calculations are based on one bubic	
Inch of Water, weighing 252.458 Grains, at 62° Fahr.	
and 30 inches Baron.	
SE COM IN	Jat 6 Booth

1 C.I. water @ 62º Fahr. of 30 in Bar: = 252, 458 log = 2.4621892 Sp. gr. of Gold Coin (U.D.) rolled = 17.25. log = 1.2367891 1C.T. Gold Coin = 4354.9005 grains. log = 3.6389788 4354.9005 frs. Gold coin contain 4354.9 × eg=391941 frs Jold pure grus. water sp. gr. pure gold 252.458 × 19.2 = 4847. 1936 = grus. in 1.61. pure gold l. 19.2 = 1,2833012} = 3.6854904= log, 4847,1933 \$ 1,000,000 Gold Coin = 592436 C.I. = 8p.gr. Silver. coin = 10:3 252.458 × 10.3 = 2602.84 gras in C.I. Lilver coin. Wt. of one Doll. = 412.5 gras. of \$ 1000 = 412500 gras. l. = 5.6154240 6.2602.84 = 3,4154475 l. 9 158.481 C.I. = 2.1999765 \$1,000,000 dilver com = 158481 C.I. l. = 5.1999765 = 1728 C.T. = 10.2375437 = l.91.7134 C.F. \$ 335 Millions, b-= 2.5250448 4.4874776=l. 30724 C.F.= (31.3203)3 \$1.00 = 412.8 grns 371.25 grns. pure silver Sp. gr. of pure delver = 10.45

1 C.I. pure delver = 252.458 = 2.4021892

10.45 = 1.0191163

3.4213055 = 6.2638,21 grains

Science History Institute. Philadelphia. Papers of James Curtis Booth, Box 7, Folder 7.